Patent Claims

1. Gas-insulated switchgear assembly (1) or component of a gas-insulated switchgear assembly, having an outdoor bushing (6) through which at least one high voltage-carrying conductor (7) can be passed, characterized in that a surge arrester (8) is arranged essentially parallel to the outdoor bushing (6) and is connected to the high voltage-carrying conductor (7) and/or to the top part of the outdoor bushing (6) via a high voltage-side connection piece (9) and to the foot part of the outdoor bushing (6) and/or to the housing of the gas-insulated switchgear assembly or the component of the gas-insulated switchgear assembly via a housing-side connection piece (10).

2. Gas-insulated switchgear assembly according to Claim 1, characterized in that, in the case of a gas-insulated switchgear assembly (1) having a wall bushing (4) and an adjoining outdoor bushing (6), the surge arrester (8) is alternatively connected to the foot (5) of the wall bushing (4) via the housing-side connection piece (10).

3. Gas-insulated switchgear assembly according to Claim 1 and/or 2, characterized in that the high voltage-side connection piece (9) and/or the housing-side connection piece (10) are made of an electrically highly conductive metal, with the result that they are at the same time electrical and mechanical connecting elements.

4. Gas-insulated switchgear assembly according to Claim 1 and/or 2, characterized in that the high voltage-side connection piece (9) and/or housing-side connection piece (10) are made of an electrically poorly conductive or nonconductive material, with the result that they are only mechanical connecting

elements, and in that the electrical connections between the conductor (7) and the surge arrester (8) and between the earth potential of the foot (5) of the wall bushing (4) or the housing of the gas-insulated switchgear assembly or the component of the gas-insulated switchgear assembly and the surge arrester (8) take place using separate connecting conductors (11, 12) which are formed from an electrically highly conductive material.

5. Gas-insulated switchgear assembly according to Claim 4, characterized in that the separate connecting conductors (11, 12) are designed to be rigid.

6. Gas-insulated switchgear assembly according to Claim 4, characterized in that the separate connecting conductors (11, 12) are designed to be flexible.

7. Use of an arrangement according to one of the preceding claims in a dead tank breaker.